

## ECS Configuration Change Request

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CCR No. <u>98-0137</u>	Logged Date <u>2/5/98</u>	Rev. <u>-</u>	Request Type <u>CCR</u>
Priority Routine <input type="checkbox"/> Urgent <input type="checkbox"/> Emergency <input checked="" type="checkbox"/>	Affected Release		Change Class <u>1N</u>
Title <u>Sun patch for incagold's erratic fiber SCSI channel behavior</u>			
Documents Affected <u>911-TDA - 007-ONCE PATCHES ARE TESTED</u>	Source Nos (RID, NCR, Action Item, GSFC CCR, etc.) or Tech Reference <u>N/A</u> <u>AC-98-0063</u>		
RTM Change <input type="checkbox"/> Start New Baseline <input type="checkbox"/>			
<b>Problem</b> incagold has been behaving erratically for several weeks, all centering around the internal and fiber SCSI buses. The system hangs, effecting user sessions and system wide performance. These events are intermittent as is the writing of these events to the system log. After many pieces of the systems hardware were replaced the problem appeared to be resolved. On 02/04/98 several errors of the same type were experienced and captured by the system log. The error was reported to the SunSolve support center. Upon examination of the system's log the SunSolve engineer explained that this is a known bug with the Sun kernel RAID device driver and require two patches to fix. These patches are 104708-09 and 103640-17. Neither are in the current Sun patch baseline. <u>NEED DATE: 2/19/98</u>			
<b>Proposed Solution</b> It is recommended that both patches, 104708-09 and 103640-17, be installed on incagold immediately for testing purposes. In that they are kernel patches involving the RAID device driver there should be no negative impact to incagold, the drop 3.X code nor the miniDAAC environment as a whole. The patches are in the miniDAAC under /home/sysadmin/incagold. It is further recommended that, upon completion of testing, these patches be incorporated into the Sun 5.5.1 patch baseline and installed on all Sun systems with attached Sun RAID devices.			
<b>Impact Analysis:</b> Organizations Affected: BOO <input type="checkbox"/> Contracts <input type="checkbox"/> ESO <input type="checkbox"/> FOS <input checked="" type="checkbox"/> M&O <input type="checkbox"/> QA <input type="checkbox"/> Rel. A <input type="checkbox"/> Rel. B <input checked="" type="checkbox"/> Rel. IR1 <input type="checkbox"/> MRS <input type="checkbox"/> SMO <input type="checkbox"/> Subconts <input type="checkbox"/> A.1 <input type="checkbox"/> Other _____ Cost: None <input checked="" type="checkbox"/> Small <input type="checkbox"/> Medium <input type="checkbox"/> Large <input type="checkbox"/> (Not exceeding \$100,000) (\$100,000 to \$500,000) (Over \$500,000) Schedule: None <input type="checkbox"/> Other _____ Additional LOC _____ Man-Months _____ Materials _____			
Originator <u>D. Scoggins</u>	<u>[Signature]</u> for <u>D. Scoggins</u>		<u>2/5/98</u>
Office _____	Office Manager <u>[Signature]</u>	<u>2/5/98</u>	
Disposition Approved <input type="checkbox"/> Approved w/Comment <input checked="" type="checkbox"/> Forward <input type="checkbox"/> Disapproved <input type="checkbox"/>			
Comments: <u>Document changes in lab book - test</u> <u>update CCR to change baseline if test</u> <u>successful</u> CCB Chairperson <u>[Signature]</u> <u>2/5/98</u>			

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